

IN THE CLAIMS:

1. (Currently Amended) A dilution and dispersion device for the exhaust and/or cooling gases of from a vehicle's vehicle engine, comprising:

a hub, fixed with respect to an exhaust channel, and having at least one opening therein for reducing loss in flow rate of exhaust gases,

a ring encircling said hub, and

that incorporates blades and fixed to said ring, for dispersing exhaust gases.

a hub;

~~— wherein said hub of said device incorporates means intended to reduce the loss in the gaseous flow rate generated by said gases.~~

2. (Cancelled)

3. (Currently Amended) A dilution and dispersion device for exhaust and/or cooling gases of said engine according to Claim 21, wherein the a number of said openings, their at least one opening, a diameter of said at least one opening, and their an arrangement are determined according of said at least one opening, correspond to the a predetermined permeability which said device is to be given level of said device.

4. (Currently Amended) A dilution and dispersion device for exhaust and/or cooling gases of said engine according to Claim 1, wherein said flow rate loss reduction means are constituted by hub comprises a profiled element allowing said for deflecting gases to be deflected towards said blades.

5. (Cancelled)

6. (Currently Amended) A dilution and dispersion device ~~for exhaust and/or cooling gasses of said engine~~ according to Claim-51, wherein said ring ~~is free to rotate~~ rotatable with respect to said hub.

7. (Currently Amended) A dilution and dispersion device ~~for exhaust and/or cooling gasses of said engine~~ according to Claim-51, wherein said ring is integral with said hub.

8. (New) The dilution and dispersion device according to claim 1, wherein the device is non-motorized.

9. (New) An exhaust system comprising:

an exhaust channel for emitting exhaust gases, and

a dilution and dispersion device affixed to an end of said channel, comprising:

    a hub, said hub comprising at least one hole for passing exhaust;

    a ring attached to and encircling said hub, and

    a plurality of blades attached to said ring, said blades for dispersing exhaust gases,

wherein the dilution and dispersion device is fixed to the channel so that any exhaust gas emitted

from said channel must pass through said dilution and dispersion device, thereby diluting and

dispersing exhaust gases exiting the channel.